AMENDMENTS TO THE CLAIMS

Claim amendments and status:

- 1-6 (Canceled)
- 7. (Withdrawn) The high frequency module as claimed in claim 1, further comprises a non reciprocal circuit element mounted on the substrate, an upper surface of the non reciprocal circuit element mounted on the substrate, an upper surface of the non reciprocal circuit element being in contact with the flat portion of the cap.
- 8. (Withdrawn) The high frequency module as claimed in claim 7, wherein a side surface of the non reciprocal circuit element is in contact with the extended portion of the cap.
- 9. (Currently Amended) A high frequency module for mounting on a motherboard, comprising:
 - a substrate;
 - a semiconductor chip fixed on the substrate;
 - a heat sink having a projecting portion in contact with the semiconductor chip; and
- a means, provided to cover the heat sink, cap for conducting heat transferred to the heat sink to the substrate;

the heat sink and the semiconductor chip being in contact with each other only at the projecting portion so that there is a space between the substrate and the cap.

- 10. (Original) The high frequency module as claimed in claim 9, wherein said projecting portion of the heat sink is formed from one end to the other end of the heat sink.
- 11. (Original) The high frequency module as claimed in claim 10, wherein the heat sink is fabricated by extruding aluminum metal.
- 12. '(Currently Amended) The high frequency module as claimed in claim 9, wherein the heat-conducting means is a cap has having a flat portion covering the heat sink and extended portions led out from opposite edges of the flat portion.

- 13. (Original) The high frequency module as claimed in claim 12, wherein the extended portion of the cap is in contact with a first side surface of the substrate.
- 14. (Currently Amended) A high frequency module for mounting on a motherboard.

a substrate;

a semiconductor chip fixed on the substrate;

a heat sink having a projecting portion in contact with the semiconductor chip; and
a means, provided to cover the heat sink, for conducting heat transferred to the heat sink to
the substrate;

wherein the heat conducting means is a cap having a flat portion covering the heat sink and extended portions led out from opposite edges of the flat portion; and The high frequency module as claimed in claim12,

wherein the extended portions of the cap are connected to electrodes formed on the motherboard.

15. (Currently Amended) A high frequency module for mounting on a motherboard, comprising:

a substrate;

a semiconductor chip fixed on the substrate:

a heat sink having a projecting portion in contact with the semiconductor chip;

a means, provided to cover the heat sink, for conducting heat transferred to the heat sink to
the substrate; and The high frequency module as claimed in claim 9, further comprises
an electronic component provided in a space formed between the heat sink and the substrate.

- 16. (Original)) The high frequency module as claimed in claim 15, wherein the electronic component is thicker than the semiconductor chip.
- 17. (Currently Amended) The high frequency module as claimed in claim 13, wherein an upper surface of the a non reciprocal circuit element is in contact with the flat portion of the cap.

- 18. (Original) The high frequency module as claimed in claim 17, wherein a first side surface of the non reciprocal circuit element is in contact with a second side surface of the substrate opposite to the first side surface of the substrate opposite to the first side surface thereof.
- 19. (Original) The high frequency module as claimed in claim 18, wherein the second side surface of the substrate and the first side surface of the non reciprocal circuit element have substantially the same length.
- 20. (Original) The high frequency module as claimed in claim 18, wherein a second side surface of the non reciprocal circuit element opposite to the first side surface thereof is in contact with the extended portion of the cap.
- 21. (Original) The high frequency module as claimed in claim 12, wherein the cap has bent portions led out from the other opposite edges of the flat portion.
- 22. (Original) The high frequency module as claimed in claim 21, wherein the bent portions are led out from the flat portion by a shorter distance than the extended portions are led out therefrom.
- 23. (Original) The high frequency module as claimed in claim 22, wherein the bent portions extend to points short of side surfaces of the substrate to leave openings between the ends thereof and the substrate.
 - 24. (Withdrawn) A high frequency module, comprising:
- a high frequency amplifier portion including a substrate having first and second side surfaces, a semiconductor chip on the substrate, and a heat sink provided above the semiconductor chip;
- a non reciprocal circuit element having first and second side surfaces; and
 a cap having a flat portion, a first extended portion, and a second extended portion,
 the high frequency amplifier portion being fixed to the non reciprocal circuit element such
 that the first side surface of the substrate is contact with the first side surface of the non reciprocal
 circuit element,

the cap being fixed to the high frequency amplifier portion and the non reciprocal circuit element such that the flat portion of the cap is in contact with at least the heat sink of the high frequency amplifier portion, that the first extended portion of the cap is contact with the second side surface of the substrate, and that the second extended portion of the cap is contact with the second side surface of the non reciprocal circuit element.

- 25. (Withdrawn) The high frequency module as claimed in claim 24, wherein the first side surface of the substrate and the first side surface of the non reciprocal circuit element have substantially the same length.
- 26. (Withdrawn) The high frequency module as claimed in claim 25, wherein the first side surface of the non reciprocal circuit element is longer than a distance between the first side surface and the second side surface of the non reciprocal circuit element.
- 27. (Withdrawn) The high frequency module as claimed in claim 24, wherein the first extended portion of the cap is electrically connected to a motherboard on which the high frequency module is mounted.
- 28. (Withdrawn) The high frequency module as claimed in claim 24, wherein the non reciprocal circuit element further has an upper surface, the flat portion of the cap being in contact with the upper surface of the non reciprocal circuit element.